Amendment to the Claims

In the Claims:

Please amend Claims 1, 3, 9, 12, 15, 17, 23, 28, 30, and 33 as follows:

1. (Currently Amended) A method for automatically delivering electronic content related to text appearing in a display, comprising the steps of:

(a) detecting a cursor location within a target window in which the text is displayed;

(b) defining an update region as a function of the cursor location;

(c) invalidating the update region such that ~~causing~~ a target process associated with the target window is caused to re-render the text to the target window in ~~an~~ the update region that includes the cursor location;

(ed) determining a primary word that occurs at the cursor location from the re-rendered text;

(~~d~~e) searching a first electronic data store for content related to the primary word; and

(~~e~~f) displaying a result of the search in a semitransparent window that is persistently visible and that enables content displayed underlying the result to be visible.

2. (Previously Presented) The method of Claim 1, wherein the step of detecting the cursor location comprises one of the steps of:

(a) receiving only a single cursor move message from a pointing device that controls the cursor location within a predetermined hover time, indicating that the cursor has remained stationary for at least the predetermined hover time, said cursor move message including a coordinate identifying the cursor location; and

(b) receiving a pointer device click message indicating that a predetermined pointer button was activated while a predetermined key of the user input device is depressed, wherein the pointer click message includes a coordinate identifying the cursor location on the display.

///

///

LAW OFFICES OF RONALD M. ANDERSON
600 - 108th Avenue N.E., Suite 507
Bellevue, Washington 98004
Telephone: (425) 688-8816 Fax: (425) 646-6314

3. (Currently Amended) The method of Claim 1, wherein the step of invalidating ~~causing the target process associated with the target window to re-render text to the target window in~~ the update region ~~that includes the cursor location~~, comprises the steps of:

(a) inserting machine instructions into a memory space of the target process; and

(b) executing the machine instructions, causing:

(i) hooking a text-out module;

(ii) ~~invalidating the update region, wherein the update region is defined as a function of the cursor location;~~

~~(iii)~~ executing the text-out module to re-render the text to the update region; and

(~~iv~~iii) copying the text from the text-out module while the text-out module is re-rendering the text to the update region.

4. (Original) The method of Claim 1, wherein the step of determining the primary word that occurs at the cursor location, from the re-rendered text, comprises the steps of:

(a) determining a character that is closest to the cursor location, from the re-rendered text;

(b) detecting a first termination point that occurs before the character, wherein the first termination point indicates the beginning of the primary word;

(c) detecting a second termination point that occurs after the character, wherein the second termination point indicates the end of the primary word; and

(d) identifying the primary word as a set of characters between the first termination point and the second termination point.

5. (Original) The method of Claim 1, wherein the step of searching the first electronic data store for content related to the primary word, comprises one of the steps of:

(a) searching a local electronic data store for content related to the primary word; and

(b) searching a remote electronic data store for content related to the primary word.

///

///

LAW OFFICES OF RONALD M. ANDERSON
600 - 108th Avenue N.E., Suite 507
Bellevue, Washington 98004
Telephone: (425) 688-8816 Fax: (425) 646-6314

6. (Original) The method of Claim 1, wherein the step of displaying the result of the search in the semitransparent window, comprises the steps of:

(a) automatically providing the semitransparent window at a defined location in the display, said semitransparent window being sized to overlay only a portion of the display;

(b) displaying at least a portion of the result of the search in the semitransparent window; and

(c) enabling a user to obtain additional content related to the primary word by selecting an option in the semitransparent window.

7. (Original) The method of Claim 1, further comprising the step of determining a context word associated with the primary word.

8. (Original) The method of Claim 7, wherein the step of determining the context word comprises one of the steps of:

(a) determining the context word from the re-rendered text; and

(b) determining the context word from a characteristic of text being processed by the target process.

9. (Currently Amended) The method of Claim 7, wherein the step of searching the first electronic data store for content related to the primary word, comprises the steps of:

(a) searching the first electronic data store based on a combination of the primary word and the context word; and ~~if no content was found based on the combination of the primary word and the context word,~~

(b) <u>if no content was found based on the combination of the primary word and the context word,</u> searching the first electronic data store based on the primary word.

10. (Original) The method of Claim 1, further comprising the step of displaying an alternate word that is spelled similar to the primary word in the result if no content was found based on the primary word.

11. (Original) The method of Claim 1, further comprising the steps of:

(a) searching an additional electronic data store for additional content related to the primary word; and

(b) enabling a user to selectively view the additional content in the result.

///

LAW OFFICES OF RONALD M. ANDERSON
600 - 108th Avenue N.E., Suite 507
Bellevue, Washington 98004
Telephone: (425) 688-8816 Fax: (425) 646-6314

12. (Currently Amended) The method of Claim 1, further comprising the steps of:

(a) enabling a user to selectively indicate that an additional electronic data store is to be searched prior to the first electronic data store, thereby indicating a priority of information desired by the user;

(b) searching the additional electronic data store for additional content related to the primary word prior to searching the first electronic data store; and ~~if additional content is found; and~~

(c) if additional content is found, displaying at least a portion of the additional content of the search of the additional electronic data store in the semitransparent window prior to displaying the result of the search of the first electronic data store.

13. (Original) The method of Claim 1, further comprising the step of maintaining a focus on an active window so that the user need not return the focus from the semitransparent window, to the active window after a result is displayed.

14. (Original) A machine-readable medium having machine instructions for performing the steps of Claim 1.

15. (Currently Amended) A system for automatically delivering electronic content related to text appearing in a display, comprising:

(a) a processor;

(b) a display in communication with the processor, said display displaying a cursor location and a target window that includes text;

(c) a pointing device adapted to be controlled by a user and coupled in communication with the processor, said pointing device producing a signal indicating the cursor location on the display;

(d) a user input device having at least one key, said user input device being coupled in communication with the processor; and

(e) a memory in communication with the processor and storing machine instructions that cause the processor to:

(i) detect the cursor location indicated by the signal produced by the pointing device on the display device;

///

LAW OFFICES OF RONALD M. ANDERSON
600 - 108th Avenue N.E., Suite 507
Bellevue, Washington 98004
Telephone: (425) 688-8816 Fax: (425) 646-6314

(ii) invalidate an update region, wherein the update region is defined within the target window as a function of the cursor location, such that

~~cause~~ a target process associated with the target window is caused to re-render the text to the target window in ~~an~~ the update region of the display that includes the cursor location disposed proximate to the text being re-rendered;

(iii) determine from the re-rendered text a primary word that is disposed proximate to the cursor location;

(iv) search a first electronic data store for content related to the primary word; and

(v) display a result of the search in a semitransparent window that is persistently visible and that enables content of the result to remain visible in the display.

16. (Original) The system of Claim 15, wherein the machine instructions further cause the processor to do one of:

(a) receive only a single cursor move message from the pointing device within a predetermined hover time, indicating that the cursor has remained stationary for at least the predetermined hover time, said cursor move message including a coordinate identifying the cursor location; and

(b) receive a pointer device click message indicating that a predetermined pointer button was activated while a predetermined key of the user input device is depressed, wherein the pointer click message includes a coordinate identifying the cursor location on the display.

17. (Currently Amended) The system of Claim 15, wherein the machine instructions further cause the processor to:

(a) hook a text-out module included in an operating system executed by the processor;

(b) ~~invalidate the update region, wherein the update region is defined as a function of the cursor location;~~

~~(c)~~ execute the text-out module to re-render the text to the update region; and

(~~d~~c) copy the text from the text-out module while the text-out module is re-rendering the text to the update region.

///

LAW OFFICES OF RONALD M. ANDERSON
600 - 108th Avenue N.E., Suite 507
Bellevue, Washington 98004
Telephone: (425) 688-8816 Fax: (425) 646-6314

18. (Original) The system of Claim 15, wherein the machine instructions further cause the processor to:

(a) determine a character that is closest to the cursor location from the re-rendered text;

(b) detect a first termination point that occurs before the character, wherein the first termination point indicates the beginning of the primary word;

(c) detect a second termination point that occurs after the character, wherein the second termination point indicates the end of the primary word; and

(d) identify the primary word as comprising a set of characters between the first termination point and the second termination point.

19. (Original) The system of Claim 15, wherein the machine instructions further cause the processor to do one of:

(a) search a local electronic data store for content related to the primary word; and

(b) search a remote electronic data store for content related to the primary word.

20. (Original) The system of Claim 15, wherein the machine instructions further cause the processor to:

(a) automatically provide the semitransparent window at a predefined location in the display, said semitransparent window being sized to overlay only a portion of the display;

(b) display at least a portion of the result of the search in the semitransparent window; and

(c) enable a user to selectively obtain additional content related to the primary word by choosing an option provided in the semitransparent window.

21. (Original) The system of Claim 15, wherein the machine instructions further cause the processor to determine a context word associated with the primary word.

22. (Original) The system of Claim 21, wherein the machine instructions further cause the processor to do one of:

(a) determine the context word from the re-rendered text; and

(b) determine the context word from a characteristic of the text being processed by the target process.

///

LAW OFFICES OF RONALD M. ANDERSON
600 - 108th Avenue N.E., Suite 507
Bellevue, Washington 98004
Telephone: (425) 688-8816 Fax: (425) 646-6314

23. (Currently Amended) The system of Claim 21, wherein the machine instructions further cause the processor to:

(a) search the first electronic data store based on a combination of the primary word and the context word; and ~~if no content was found based on the combination of the primary word and the context word; and~~

(b) <u>if no content was found based on the combination of the primary word and the context word,</u> search the first electronic data store based on the primary word.

24. (Original) The system of Claim 15, wherein if no content was found based on the primary word, the machine instructions further cause the processor to display an alternate word that is spelled similarly to the primary word.

25. (Original) The system of Claim 15, wherein the machine instructions further cause the processor to:

(a) search an additional electronic data store for additional content related to the primary word; and

(b) enable a user to selectively view the additional content.

26. (Original) The system of Claim 15, wherein the machine instructions further cause the processor to:

(a) enable a user to indicate that an additional electronic data store is to be searched prior to the first electronic data store, thereby indicating a priority of information desired by the user;

(b) search the additional electronic data store for additional content related to the primary word prior to searching the first electronic data store; and

(c) if additional content is found, display at least a portion of the additional content of the search of the additional electronic data store in the semitransparent window, prior to displaying the result of the search of the first electronic data store.

27. (Original) The system of Claim 15, wherein the machine instructions further cause the processor to maintain a focus on an active window so that a user need not return the focus from the semitransparent window, to the active window after the result is displayed.

///

///

LAW OFFICES OF RONALD M. ANDERSON
600 - 108th Avenue N.E., Suite 507
Bellevue, Washington 98004
Telephone: (425) 688-8816 Fax: (425) 646-6314

28. (Currently Amended) A method for capturing data displayed near a cursor location controlled with a pointing device in an electronic display, comprising the steps of:

(a) hooking into an operating system output module that renders data to the electronic display;

(b) defining an update region as a function of the cursor location in the electronic display;

(c) invalidating ~~an~~ the update region of the electronic display, ~~wherein the update region is defined as a function of the cursor location in the electronic display;~~ such that

~~(c)~~ ~~forcing~~ the operating system output module is forced to re-render the data to the update region of the electronic display; and

(d) copying the data from the operating system output module while the operating system output module is re-rendering the data to the update region of the electronic display.

29. (Original) The method of Claim 28, wherein the step of hooking into the operating system output module comprises the step of patching an .idata section associated with a target process that controls the electronic display.

30. (Currently Amended) The method of Claim 28, wherein ~~the step of forcing~~ the operating system output module is forced to re-render the data to the update region ~~comprises the step of~~ by invoking a redraw application programming interface that instructs the operating system to issue a paint message to a procedure for redrawing the electronic display, said paint message causing the procedure to execute the operating system output module to redraw the update region of the electronic display window.

31. (Original) The method of Claim 28, wherein the step of copying the data from the operating system output module while the operating system output module is re-rendering comprises the steps of:

(a) mapping font glyphs to text if the data comprises font glyphs;

(b) mapping text coordinates to screen coordinates if the operating system output module provides the data to a window device context; and

(c) saving the data if the operating system output module provides the data to a memory device context.

///

LAW OFFICES OF RONALD M. ANDERSON
600 - 108th Avenue N.E., Suite 507
Bellevue, Washington 98004
Telephone: (425) 688-8816 Fax: (425) 646-6314

32. (Original) A machine-readable medium having machine instructions for carrying out the steps of Claim 28.

33. (Currently Amended) A system for capturing data displayed near a cursor location in an electronic display, comprising:

(a) a processor;

(b) a display in communication with the processor, said display displaying a cursor at a location in the display; and

(c) a memory in communication with the processor and storing machine instructions that cause the processor to:

(i) hook into an operating system output module that renders data to the electronic display;

(ii) define an update region as a function of the cursor location in the electronic display;

(iii) invalidate ~~an~~ the update region of the electronic display, wherein the update region is defined as a function of the cursor location in the electronic display such that[[;]]

~~(iii)~~ ~~force~~ the operating system output module is forced to re-render the data to the update region of the electronic display; and

(iv) copy the data from the operating system output module while the operating system output module is re-rendering the data to the update region of the electronic display.

34. (Original) The system of Claim 33, wherein the machine instructions further cause the processor to patch an .idata section associated with a target process that controls the electronic display.

35. (Original) The system of Claim 33, wherein the machine instructions further cause the processor to invoke a redraw application programming interface that instructs the operating system to immediately issue a paint message to a procedure of the electronic display, said paint message causing the procedure to execute the operating system output module to redraw the update region of the electronic display.

///

///

///

LAW OFFICES OF RONALD M. ANDERSON
600 - 108th Avenue N.E., Suite 507
Bellevue, Washington 98004
Telephone: (425) 688-8816 Fax: (425) 646-6314

36. (Original) The system of Claim 33, wherein the machine instructions further cause the processor to:

(a) map font glyphs to text if the data comprises font glyphs;

(b) map text coordinates to screen coordinates if the operating system output module provides the data to a window device context; and

(c) save the data if the operating system output module provides the data to a memory device context.

LAW OFFICES OF RONALD M. ANDERSON
600 - 108th Avenue N.E., Suite 507
Bellevue, Washington 98004
Telephone: (425) 688-8816 Fax: (425) 646-6314